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Notice of Allowability	Application No.	Applicant(s)		
	10/799,501	EDA ET AL.		
	Examiner	Art Unit		
	Etsub D. Berhanu	3768		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.				
1. This communication is responsive to the amendment filed 08/24/2006.				
2. The allowed claim(s) is/are 1.3 and 5-15.				
<ul> <li>3.</li></ul>	been received.  been received in Application No cuments have been received in this application.  Settled. Note the attached EXAMINER's reason(s) why the oath or declarate to be submitted.  Son's Patent Drawing Review (PTO-Set Amendment / Comment or in the October 1.121(content of the drawing the header according to 37 CFR 1.121(content of the BIOLOGICAL MATERIAL materials).	national stage applical complying with the recomplying with the recomplying with the recomplying with the recomplying attached flice action of the flice action of the flice action the flice act	quirements IOTICE OF	
attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.				
Attachment(s)  1. Notice of References Cited (PTO-892)	5. Notice of Informal Page	atent Application		
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	(PTO-413),		
3.  Information Disclosure Statements (PTO/SB/08),		Paper No./Mail Date 7. ⊠ Examiner's Amendment/Comment		
Paper No./Mail Date  4.  Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Stateme 9. □ Other		owance	
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**DETAILED ACTION** 

**EXAMINER'S AMENDMENT** 

1. An examiner's amendment to the record appears below. Should the changes and/or additions be

unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure

consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ehab

Samuels on September 13, 2006, wherein the applicant and examiner discussed amending claims 1 and

13-15. Regarding claims 14 and 15, "number of moles of oxyHb in blood per unit length" was amended

to read -- an oxyHb amount in blood -- to provide a clearer unit of measure.

The application has been amended as follows:

Claim 1 has been amended to read:

1. A device for measuring strategy acquisition when a subject performs a predetermined

assignment of work comprising:

a measuring portion that measures an oxyHb amount in blood in a predetermined

measuring region of a brain of a subject;

a time change data producing portion that obtains the oxyHb amount in the blood

measured by the above-mentioned measuring portion chronologically and that produces time

change data as data showing time change of the oxyHb amount in the blood;

an average data producing portion that calculates average values of the oxyHb amount

[amount on each work], from the start point of time to the completion point of time of conducting

each work, and produces average value data indicating an average value of the oxyHb amount

while the subject conducts each assigned work based on the time change data produced by the

time change data producing portion in case the subject conducts multiple works that can be solved using a definite law or regularity; and

an output portion that displays or outputs the average value data produced by the average value data producing portion.

Claim 13 has been amended to read:

13. A method for measuring strategy acquisition, in case a subject conducts multiple works that can be solved using a definite law or regularity comprising:

determining an oxyHb amount in the blood in a predetermined measuring region of a brain of the subject that is measured chronologically by the use of near-infrared spectroscopy;

calculating average values of the oxyHb amount [on] <u>corresponding with</u> each work based on the time change data as data showing the time change and determining average value data indicating an average value of the oxyHb amount on each work;

producing an average value data showing the average value of the oxyHb amount during the time period the subject conducts each work, and displaying or printing the average value data, wherein a state of strategy acquisition to solve the work for the subject is determined.

Claim 14 has been amended to read:

14. A device for measuring strategy acquisition of a work project, comprising:

a measuring unit that measures [a number of moles of oxyHb in blood per unit length] an oxyHb amount in blood at a predetermined measuring region in a person's brain where strategy acquisition of the work project occurs;

a time change data producing unit that receives the [number of moles of oxyHb per unit length] oxyHb amount in blood measured by the measuring unit and generates time change data corresponding to time change of the [number of moles of oxyHb per unit length] oxyHb amount in blood;

an average data producing unit that averages the [number of moles of oxyHb per unit length] oxyHb amount in blood measured for the work project that the person conducts, from the start point of time to the completion point of time of conducting each work, based on the time change data produced by the time change data producing unit when the person performs the work project that can be solved using a definite law or regularity, and generates average value data for the work project; and

an output unit that outputs the average value data produced by the average value data producing portion.

Claim 15 has been amended to read:

15. A method for measuring strategy acquisition of a work project that can be solved using a definite law or regularity, the method comprsing the steps of:

measuring chronologically [a number of moles of oxyHb per unit length] an oxyHb amount in blood at a predetermined measuring region in a person's brain where strategy acquisition of the work project occurs;

generating time change data corresponding to the time change of the [number of moles of oxyHb per unit length] oxyHb amount in blood;

generating average value data corresponding to the average value of the [number of moles of oxyHb per unit length] oxyHb amount in blood measured for the work project based on time change data; and

outputting the average value data to determine the state of strategy acquisition for solving the work project.

2. The following is an examiner's statement of reasons for allowance: Hoshi et al. (cited in previous office action) discloses a device and method for detecting brain activation during mental tasks. Hoshi et

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al. does not disclose an average data producing portion that calculates average values of oxyHb amounts

in the blood on each work, from the start point of time to the completion point of time of conducting each

work, and produces average value data indicating an average value of the oxyHb amount while the

subject conducts each work, as amended in claims 1 and 14, in combination with the other claimed

elements. Hoshi et al. does not disclose a method for measuring strategy acquisition wherein average

value data is determined based on time change data of the oxyHb amount present during the conducting

of an individual piece of work, as disclosed in claims 13 and 15, in combination with the other claimed

steps.

Any comments considered necessary by applicant must be submitted no later than the payment of

the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such

submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Etsub D. Berhanu whose telephone number is 571.272.6563. The examiner can normally

be reached on Monday - Friday (Every other Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian

Casler can be reached on (571)272-4956. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR

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CANADA) or 571-272-1000.